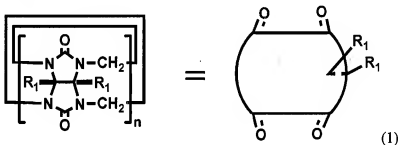


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

What is claimed is:

1. (Original) A polymer in which a particle-type polymer with a reactive end-substituted group is linked to a cucurbituril derivative of Formula 1 below by a covalent bond:

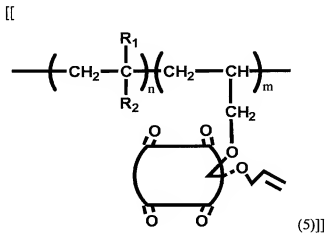


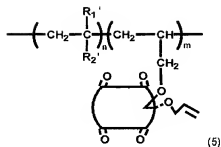
wherein n is an integer of 4 to 20, and each R_1 is independently a substituted or unsubstituted alkenyloxy group of C_2-C_{20} with an unsaturated bond end, a carboxyalkylsulfanyloxy group with a substituted or unsubstituted alkyl moiety of C_2-C_{20} , a carboxyalkyloxy group with a substituted or unsubstituted alkyl moiety of C_2-C_8 , an aminoalkyloxy group with a substituted or unsubstituted alkyl moiety of C_1-C_8 , a hydroxyalkyloxy group with a substituted or unsubstituted alkyl moiety of C_1-C_8 , or an epoxyalkyloxy group with a substituted or unsubstituted alkyl moiety of C_2-C_8 .

2. (Original) The polymer of claim 1, wherein the reactive end-substituted group is a halogen atom, a substituted or unsubstituted amino group, an epoxy group, a carboxyl group, a thiol group, an isocyanate group, or a thioisocyanate group.
3. (Currently amended) The polymer of claim 1, wherein the particle-type polymer with the reactive end-substituted group is selected from the group consisting of a Merrifield

polymer, a hydrophobic polyaromatic polymer, and an acrylic ester polymer or an XAD polymer.

4. (Original) The polymer of claim 1, wherein the particle-type polymer has an average particle size of 5-300 μm .
5. (Original) The polymer of claim 1, wherein the covalent bond is an ether bond, a sulfanyl bond, an amino bond, an ester bond, an amide bond, a thioamide bond, or a urea bond.
- 6-8. (Canceled)
9. (Original) A polymer in which the cucurbituril derivative of Formula 1 of claim 1 is copolymerized with a monomer with a substituted or unsubstituted alkenyl group of C_3 - C_{20} .
10. (Currently amended) The polymer of claim 9, which is a compound of Formula 5 below:





wherein n is an integer of 100-10,000, m is an integer of 10-5,000, R₁ and R₂ are each independently a substituted or unsubstituted aryl group of C₆-C₃₀, a carboxyl group, a substituted or unsubstituted heterocycle group of C₄-C₃₀, a substituted or unsubstituted alkyl group of C₁-C₂₀, a halogen atom, a cyano group, an amino group, a substituted or unsubstituted aminoalkyl group of C₁-C₁₀, a hydroxyl group, a substituted or unsubstituted hydroxyalkyl group of C₁-C₁₀, a substituted or unsubstituted alkenyl group of C₃-C₁₀, or hydrogen.

11. (Original) The polymer of claim 10, wherein the cucurbituril derivative of Formula 1 of claim 1 where R₁ is an allyloxy group is copolymerized with the monomer with a substituted or unsubstituted alkenyl group of C₃-C₂₀.

12-23. (Canceled).